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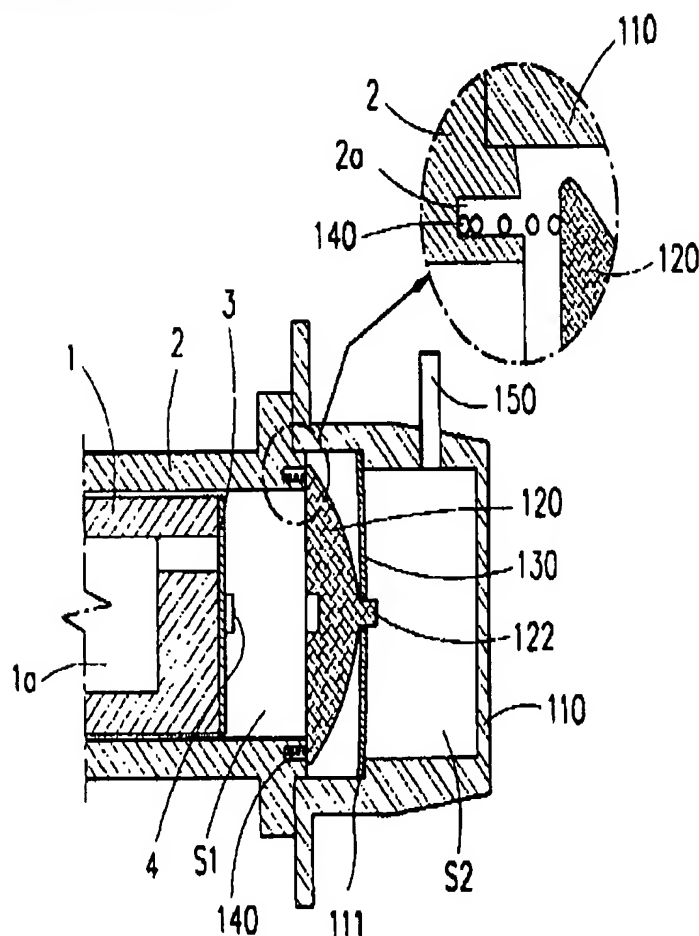
KWON, BYEONG HA

(30) Priority:

(54) Title of Invention

DAMPER FOR DISCHARGE VALVE ASSEMBLY

**Representative drawing**



**(57) Abstract:**

**PURPOSE:** A damper for a discharge valve assembly is provided to minimize noise and vibration in returning a discharge valve to a cylinder.

**CONSTITUTION:** Refrigerant gas is introduced into a compressing space(S1) by opening a suction valve(3) through the backward movement of a piston(1). The refrigerant gas is compressed by the piston and then introduced into a discharge space(S2) of a cover(110). The compressing space has relatively lower pressure than the discharge one in the backward movement of the piston. Thus, the discharge valve returns to a cylinder(2) with a valve spring(130) to divide the two spaces. In a process of returning the discharge valve to the cylinder, a valve spring(140) pushes the discharge valve, but has smaller rigidity than the other valve spring(130). Therefore, the discharge valve is placed on the front end of the cylinder stably.

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